



(12) UK Patent (19) GB (11) 2 413 742 (13) B

(45) Date of publication: 31.05.2006

(54) Title of the invention: Computer address resolution

(51) INT CL: H04L 29/12 (2006.01)

(21) Application No: 0325835.7

(22) Date of Filing: 05.11.2003

(43) Date A Publication: 02.11.2005

(52) UK CL (Edition X):
H4P PPG

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(continued on next page)

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GB 2 413 742 B - continuation

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2003-09-00; Vol: dnsext; Nr: 2; VN: 45003; IRN: ISSN 0000-0004; XP015017708.
- (58) **Field of Search:**
As for published application 2413742 A viz:
UK CL (Edition X) H4P
INT CL⁷ G06F, H04L
Other: EPODOC, WPI, TXTUS0, TXTUS1, TXTUS2, TXTUS3, TXTEP1, TXTGB1, TXTWO1, XPIETF,
INSPEC, Internet: Google
updated as appropriate

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CLAIMS:

1. A method for resolving an unknown address request in a computer system comprising the steps of:

receiving a name at a computer system with a request for an address corresponding to that name;

comparing the name with a database of names to detect matching information in the database; and

if no matching information is detected, sending a referral response in answer to the request

receiving the referral response to the request

performing a sequence of tests on the request including, but not limited to, determining whether the start of a request matches a known string of characters; and

sending a synthesized address response to the request.

2. A method according to claim 1 in which the sequence of tests includes the step of determining the type of the request.

3. A method according to claim 1 or claim 2 in which the synthesized address response comprises an Internet Protocol address.

4. A method according to claim 1 or claim 2 or claim 3 in which the request is made using a domain name system and the response is generated using the process substantially herein described.

5. Apparatus for resolving an unknown address request in a computer system comprising:

means for receiving a name at a computer system with a request for an address corresponding to that name;

means for comparing the name with a database of names to detect matching information in the database; and

means in which if no matching information is detected, sending a referral response in answer to the request

means for receiving the referral response to the request

means for performing a sequence of tests on the request including, but not limited to, determining whether the start of a request matches a known string of characters; and

means for sending a synthesized address response to the request.

6. A method for resolving an unknown address request in a computer system substantially as herein described.

7. Apparatus for resolving an unknown address request in a computer system substantially as herein described.

Granted UK Patent GB 2413742 B

Pending US Patent: US Patent Number 10/725,532

Title: Computer Address resolution

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Field of Search:

As for published application 2413742 A viz:

UK CL (Edition X) H4P

INT CL⁷ GO6F, HO4L

Other: EPODOC, WPI, TXTUSO, TXTUSI,

TXTUS2, TXTUS3, TXTEPI, TXTGB1,

TXTWO1, XPIETF,

INSPEC, Internet: Google

updated as appropriate

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